

WHAT IS CLAIMED IS:

1. A liquid level gauge comprising:

5 a protective cap provided with a roller rotatably installed in a pipe frame and a window for allowing a user to see through the inside of the gauge from above, and connected to an upper end of a measuring pipe connected to the inside of a tank; and a measuring rope with both ends individually connected to a buoyant member and a pulling weight, and rolled on the roller,

10 wherein: the buoyant member made of a soft material is contracted in volume so that the buoyant member is inserted from the upper end of the measuring pipe into the tank; and the buoyant member is expanded in the tank so that the buoyant member has buoyant force.

2. The liquid level gauge as set forth in claim 1,

15 Wherein: the buoyant member is connected to a lower end of an injection pipe, with a designated length, provided with a gas injection port installed on an upper end of the injection pipe; and the upper end of the injection pipe is rotatably connected to the measuring rope.

20 3. The liquid level gauge as set forth in claim 1,

wherein the pulling weight is rotatably connected to the measuring rope.

4. The liquid level gauge as set forth in claim 2,

25 wherein the pulling weight is rotatably connected to the measuring rope.